



09/674109 X10

SEQUENCE LISTING

<110> HOECHST MARION ROUSSEL

<120> METHOD FOR SCREENING ANTIMYCOTIC SUBSTANCES USING
ESSENTIAL GENES FROM S.CEREVIAE

<130> 16363PC RUU 7

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<151> 1998-09-11

<150> 98401007.4

<151> 1998-04-24

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tg 62

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YFR027w-S1

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<210> 24
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<210> 28
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YML077w-S1

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<210> 29

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<210> 30

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<210> 33

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<210> 36
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<210> 46
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tg 62

<210> 47
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YPL126w-S1

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<210> 48
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<210> 49
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<210> 50
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<210> 57
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<210> 59
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YPL012w-S2

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YML093w-S2

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<210> 62
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<210> 65
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tg 62

<210> 67
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YPR082c-S1

<400> 67
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<210> 68
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YPR082c-S2

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tg 62

<210> 69
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YPR085c-S1

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<210> 70
<211> 62
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<223> Description of Artificial Sequence: primer
YPR085c-S2

<400> 70
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tg 62

<210> 71
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YML114c-S1

<400> 71
aacgtgtaat tgagggactc ataaaggcca atgacttcca cagctgaagc ttcgtacgc 59

<210> 72
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<400> 72
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<210> 73
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YPR105c-S2

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tg 62

<210> 74
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YPR112c-S1

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<210> 75
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<400> 75
atgtcagatg ttacccaaca gaaaaagagg aaaagatcca cagctgaagc ttcgtacgc 59

<210> 76
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YPR112c-S2

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tg 62

<210> 77
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ttccagaaaa ttttactcaa ttggaagaag atgagacaga cagctgaagc ttcgtacgc 59

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tg 62

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YML114c-S2

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tg 62

<210> 82
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YPR169w-S1

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<210> 83
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YPR169w-S2

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tg 62

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tg 62

<210> 86
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<220>
<223> Description of Artificial Sequence: primer
YMR032w-S1

<400> 86
ctacagttttaa gaaatgttttggaccc aaacgacaat cagctgaagc ttctgtacgc 59

<210> 87
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YMR032w-S2

<400> 87
cagaaaaacta gtaaaattga tatacatcga gatcaaagac gcataggcca ctagtggatc 60
tg 62

<210> 88
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YMR093w-S1

<400> 88
atgtcgactg ctaggcctag aataatcact tcgaaggctc cagctgaagc ttctgtacgc 59

<210> 89
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YMR093w-S2

<400> 89
aaggcaccaat tcagtagcgg ctctaatgtt gattcatctc gcataggcca ctagtggatc 60
tg 62

<210> 90
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YMR131c-S1

<400> 90
ctttaacttc cttttgccag tgaacaaaca ataattgtgg cagctgaagc ttctgtacgc 59

<210> 91
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YMR131c-S2

<400> 91

ggtctatcga ggtcaacgag gaacaagata gagtggtctc gcataggcca ctatggatc 60
tg 62

<210> 92
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<220>
<223> Description of Artificial Sequence: primer
YMR185w-S1

<400> 92
atcaacatac acgatataatt gaatacaga ccgaagctca cagctgaagc ttctacgc 59

<210> 93
<211> 62
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<220>
<223> Description of Artificial Sequence: primer
YMR185w-S2

<400> 93
gtaatgggtt ataaactatc tagtacggtt aaaagttgt gcataggcca ctatggatc 60
tg 62

<210> 94
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<220>
<223> Description of Artificial Sequence: primer
YMR212c-S1

<400> 94
cctcttgaac taaaagaatg taaatcttca tttcggttt cagctgaagc ttctacgc 59

<210> 95
<211> 59
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<220>
<223> Description of Artificial Sequence: primer
YDR499w-S1

<400> 95
atgagacgag aaacgggtggg tgaattttct tcagatgacg cagctgaagc ttctacgc 59

<210> 96
<211> 62
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<220>
<223> Description of Artificial Sequence: primer
YMR212c-S2

<400> 96
cgatgtatgt tcacacccaaa acatcagaaaa ctggtaatc gcataaggcca ctagtggatc 60
tg 62

<210> 97
<211> 59
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<220>
<223> Description of Artificial Sequence: primer
YMR213w-S1

<400> 97
atacgtgaaa ggcgggttat ggaccaatgt ggaggatcag cagctgaagc ttcgtacgc 59

<210> 98
<211> 62
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<220>
<223> Description of Artificial Sequence: primer
YMR213w-S2

<400> 98
gctgttaactg ttcaatagac tccacttttg attggatcga gcataaggcca ctagtggatc 60
tg 62

<210> 99
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<220>
<223> Description of Artificial Sequence: primer
YMR218c-S1

<400> 99
gactcaaatg cattagagtg atcaactcta caactttac cagctgaagc ttcgtacgc 59

<210> 100
<211> 62
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<220>
<223> Description of Artificial Sequence: primer
YMR218c-S2

<400> 100
gaaggcattt gacggaactg tacgaacggt taacaggctt gcataaggcca ctagtggatc 60
tg 62

<210> 101
<211> 59
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<220>

<223> Description of Artificial Sequence: primer
YMR281w-S1

<400> 101
ctgaagaaaa gttaaatgaa gatgttgagg cgtacaaagg cagctgaagc ttctgtacgc 59

<210> 102
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<223> Description of Artificial Sequence: primer
YMR281w-S2

<400> 102
agtaacgtatt gtgcattgtgt attcataagt gaaagcttgc gcataggcca ctagtggatc 60
tg 62

<210> 103
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<220>
<223> Description of Artificial Sequence: YMR288w-S1

<400> 103
gaaaacctgc agaaagaagc tgcacgtatt ggtgagaacg cagctgaagc ttctgtacgc 59

<210> 104
<211> 62
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<220>
<223> Description of Artificial Sequence: primer
YMR288w-S2

<400> 104
ccaaaccttc taaaatacgc ataatagcat gtggtaagt gcataggcca ctagtggatc 60
tg 62

<210> 105
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<223> Description of Artificial Sequence: primer
YMR290c-S1

<400> 105
tgagtttac gtcttttgtt atttggcggtt tttccactgg cagctgaagc ttctgtacgc 59

<210> 106
<211> 59
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<220>

<223> Description of Artificial Sequence: primer
YML049c-S1

<400> 106
aattcctgct cattcaagga aagtctcagg aaatttcac cagctgaagc ttcgtacgc 59

<210> 107
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<220>
<223> Description of Artificial Sequence: primer
YMR290c-S2

<400> 107
gataagctga gcaatattaa caggagaagt atggctaccc gcataggcca ctatggatc 60
tg 62

<210> 108
<211> 59
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<220>
<223> Description of Artificial Sequence: primer
YMR211w-S1

<400> 108
agagagcaaa ccatttgact actcaattct tcaatataca cagctgaagc ttcgtacgc 59

<210> 109
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YMR211w-S2

<400> 109
atttcaatca tcttactccg tgaatcaggt tcggaatgat gcataggcca ctatggatc 60
tg 62

<210> 110
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR196c-S1

<400> 110
atgcttatga tcaaattgtg ttatacttca aggacaaaat cagctgaagc ttcgtacgc 59

<210> 111
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YDR196c-S2

<400> 111
tttcaatctg ttcgtataag tcaaccaatg tgctgttatt gcataaggcca ctagtggatc 60
tg 62

<210> 112
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR299w-S1

<400> 112
atggaaaaat cactagcgga tcaaatttcc gatatcgcca cagctgaagc ttcgtacgc 59

<210> 113
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR299w-S2

<400> 113
caaagatttg gatatcatcg ttttaacag cctctaattc gcataaggcca ctagtggatc 60
tg 62

<210> 114
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YDR365c-S1

<400> 114
ctggagagaa cccaaagaag gaaggtgtag atgctaggtt cagctgaagc ttcgtacgc 59

<210> 115
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YDR365c-S2

<400> 115
tttagtatgct ttttattaac agatttcaac ttgctttct gcataaggcca ctagtggatc 60
tg 62

<210> 116
<211> 59
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer
YDR396w-S1

<400> 116
cagatacact attgtggtgt aatctggacc ttgactgtct cagctgaagc ttcgtacgc 59

<210> 117
<211> 62
<212> DNA
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<220>

<223> Description of Artificial Sequence: primer
YMR211w-S2

<400> 117
atttcaatca tcttactccg tgaatcaggt tcggaatgat gcataggcca ctagtggatc 60
tg 62

<210> 118
<211> 62
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<220>

<223> Description of Artificial Sequence: primer
YDR396w-S2

<400> 118
tagagaaaac actgaatgat cttagcgacc gtacaaaaga gcataggcca ctagtggatc 60
tg 62

<210> 119
<211> 59
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<220>

<223> Description of Artificial Sequence: primer
YDR407c-S1

<400> 119
ttcttaagca tttcccaagc tatgttggcc catctaagat cagctgaagc ttcgtacgc 59

<210> 120
<211> 62
<212> DNA
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<220>

<223> Description of Artificial Sequence: primer
YDR407c-S2

<400> 120
aataacagac aagataacgt tttcagagtc gaactggatt gcataggcca ctagtggatc 60
tg 62

<210> 121
<211> 59
<212> DNA
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<223> Description of Artificial Sequence: primer
YDR416w-S1

<400> 121
acttacatgg aaaagatata tcgagtattg gaaagaggag cagctgaagc ttcgtacgc 59

<210> 122
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<220>
<223> Description of Artificial Sequence: YDR416w-S2

<400> 122
tcaaataatct agttctatTT catctggatt aatcgaatat gcataggcca ctatggatc 60
tg 62

<210> 123
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<223> Description of Artificial Sequence: primer
YDR449c-S1

<400> 123
cacatcaccg atttctaata atgtcgaaga caagatacta cagctgaagc ttcgtacgc 59

<210> 124
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR449c-S2

<400> 124
ataattaaat ctagaatttt ataccttagga tcatcttctg gcataggcca ctatggatc 60
tg 62

<210> 125
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<220>
<223> Description of Artificial Sequence: primer
YDR141c-S1

<400> 125
ttcgtaatct ttgaattctg cgatttcatc taccagcgcg cagctgaagc ttcgtacgc 59

<210> 126
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<220>
<223> Description of Artificial Sequence: primer
YDR141c-S2

<400> 126
cactaaagcc ccttacaatt gactcaaata ataaacaact gcataaggcca ctagtggatc 60
tg 62

<210> 127
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR324c-S1

<400> 127
aagaaggcctg aaaatacgaa acaaaccggt gaagatgacc cagctgaagc ttcgtacgc 59

<210> 128
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YMR049c-S2

<400> 128
tctgttctaa cataactagg tcaatgatgg ctaagaacaa gcataaggcca ctagtggatc 60
tg 62

<210> 129
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<220>
<223> Description of Artificial Sequence:
primerYDR324c-S2

<400> 129
aaacactaac tttggttgaa taaacgcctt ttgtttggag gcataaggcca ctagtggatc 60
tg 62

<210> 130
<211> 59
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<220>
<223> Description of Artificial Sequence: primer
YDR325w-S1

<400> 130

gacattaata cgaaaatctt taactcagtt gctgaagtat cagctgaagc ttctgtacgc 59

<210> 131
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<223> Description of Artificial Sequence: primer
YDR325w-S2

<400> 131
acctcgctga aagactctga atccttatct tcttcatcta gcataaggcca ctagtggatc 60
tg 62

<210> 132
<211> 59
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<220>
<223> Description of Artificial Sequence: primer
YDR398w-S1

<400> 132
atggattctc ctgttctaca gtccgcttat gaccatcag cagctgaagc ttctgtacgc 59

<210> 133
<211> 62
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<220>
<223> Description of Artificial Sequence: primer
YDR398w-S2

<400> 133
aacgtcacta tatccggctt cttccctcgcc gtcgctctgc gcataaggcca ctagtggatc 60
tg 62

<210> 134
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<220>
<223> Description of Artificial Sequence: primer
YDR246w-S1

<400> 134
atggccatcg aaacaatact tgtaataaac aaatcaggcg cagctgaagc ttctgtacgc 59

<210> 135
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<220>
<223> Description of Artificial Sequence: primer
YDR246w-S2

<400> 135
aacaggtag atcttatagg catttcatt gagtaagatg gcataggcca ctagtggatc 60
tg 62

<210> 136
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<223> Description of Artificial Sequence: primer
YDR236c-S1

<400> 136
ctaaaatatt gaacttgacc ctggcccat aaaaatcatt cagctgaagc ttcgtacgc 59

<210> 137
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<220>
<223> Description of Artificial Sequence: primer
YDR236c-S2

<400> 137
ttgaagtgtt gatgtttacg tggactattt atgttcgtt gcataggcca ctagtggatc 60
tg 62

<210> 138
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<220>
<223> Description of Artificial Sequence: primer
YDR361c-S2

<400> 138
ttaccaagtg gaaatttctg tttccaattc atcgatactt gcataggcca ctagtggatc 60
tg 62

<210> 139
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YMR134w-S1

<400> 139
gcaaagtgtg gtatagaaaa agaaccaaag gccggatgt cagctgaagc ttcgtacgc 59

<210> 140
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

YDR361c-S1

<400> 140
ggttcaagct atcaaattaa atgatttaaa aaataggaag cagctgaagc ttcgtacgc 59

<210> 141
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YDR367w-S1

<400> 141
atctgcgtac tttataacaat cgataccatt tccacttgtt cagctgaagc ttcgtacgc 59

<210> 142
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR367w-S2

<400> 142
gtttgttct acgtcatccc tatcaactaa atatttgggg gcataggcca ctagtggatc 60
tg 62

<210> 143
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: YDR339c-S1

<400> 143
tatgggtaaa gctaagaaaa caagaaagtt tggcctcgta cagctgaagc ttcgtacgc 59

<210> 144
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR339c-S2

<400> 144
taaaagacat ctggcaattt ttcaatgacg tatgcgtgac gcataggcca ctagtggatc 60
tg 62

<210> 145
<211> 59
<212> DNA
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<220>

<223> Description of Artificial Sequence: primer
YDR413c-S1

<400> 145
ttctttggtt tattcttcgt tcattttgg tcaaataatct cagctgaagc ttctgtacgc 59

<210> 146
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR413c-S2

<400> 146
acaaaagaaa gcacaagagt ttattaagga gcagggaaagg gcataaggcca ctagtggatc 60
tg 62

<210> 147
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR429c-S1

<400> 147
tctagatcta tcattacata caagattgaa gacgggtgtca cagctgaagc ttctgtacgc 59

<210> 148
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR429c-S2

<400> 148
tttctttggtt tctaaacgaca gaaactcttg gaatgggtgc gcataaggcca ctagtggatc 60
tg 62

<210> 149
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YDR468c-S1

<400> 149
gtcacaatac tgctgggtat gacgatcaag aggaggaaat cagctgaagc ttctgtacgc 59

<210> 150
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YMR134w-S2

<400> 150
tgtgtgtgtg cctacctgca tgtatgcatt tagcaattga gcataggcca ctagtggatc 60
tg 62

<210> 151
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR468c-S2

<400> 151
caagacgaca ataagaagtc ctataacaaca atcgtcgat gcataggcca ctagtggatc 60
tg 62

<210> 152
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR489w-S1

<400> 152
actacccaca gagatgcaaa tacaatagtg ggttcgctt cagctgaagc ttcgtacgc 59

<210> 153
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YDR527w-S2

<400> 153
ccccaccgccc ttgtttccat aaccaaagtg catcaatagc gcataggcca ctagtggatc 60
tg 62

<210> 154
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR288w-S1

<400> 154
atgagttcta tagataatga cagcgatgtg gatttaacag cagctgaagc ttcgtacgc 59

<210> 155
<211> 62
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer
YDR288w-S2

<400> 155
gccccatgatt tcttgcacca attttcaag agactctagt gcataggcca ctagtggatc 60
tg 62

<210> 156
<211> 59
<212> DNA
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<220>

<223> Description of Artificial Sequence: primer
YDR201w-S1

<400> 156
cccatgtctg gactattcag agcatcatcg tcatccatac cagctgaagc ttcgtacgc 59

<210> 157
<211> 62
<212> DNA
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<220>

<223> Description of Artificial Sequence: primer
YDR201w-S2

<400> 157
aaaagggtt tccgttagt tcccgaatat gatgtgaaa gcataggcca ctagtggatc 60
tg 62

<210> 158
<211> 59
<212> DNA
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<220>

<223> Description of Artificial Sequence: primer
YDR434w-S1

<400> 158
atgtccaatg caaatctaag aaaatgggtt ggttttgct cagctgaagc ttcgtacgc 59

<210> 159
<211> 59
<212> DNA
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<220>

<223> Description of Artificial Sequence: primer
YML023c-S1

<400> 159
cacgcaatgg tgcacattat tttgttgaac tcactgagaa cagctgaagc ttcgtacgc 59

<210> 160
<211> 62

<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR434w-S2

<400> 160
taaaggtaaa tacacagcta tcatgtgctc ttgtggaaag gcataggcca ctagtggatc 60
tg 62

<210> 161
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR181c-S1

<400> 161
aggataaacc caaatgctgg acatctaagg aaatctaagt cagctgaagc ttctgtacgc 59

<210> 162
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR181c-S2

<400> 162
tagttgggtt tgaatcgta tcacggaga acattgcttt gcataggcca ctagtggatc 60
tg 62

<210> 163
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YDR531w-S1

<400> 163
atgccgcgaa ttactcaaga gatatcttac aattgcgatt cagctgaagc ttctgtacgc 59

<210> 164
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence:
primerYDR531w-S2

<400> 164
aaataagcta tttgccaaat attgtggag atggcgaata gcataggcca ctagtggatc 60
tg 62

<210> 165
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YLR186w-S1

<400> 165
ctagtcacca agaagaaaaac ccgtaaaatc gtaggtcatg cagctgaagc ttcgtacgc 59

<210> 166
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YLR186w-S2

<400> 166
atacaaagag gatgccaagt agacttaaac actataaaat gcataggcca ctagtggatc 60
tg 62

<210> 167
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
primerYDR472w-S1

<400> 167
atgtctcaaa gaataattca accaagcgca tctgaccaac cagctgaagc ttcgtacgc 59

<210> 168
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YLR215c-S1

<400> 168
ttacttattg atgtcctcac aagaatatac aactttata cagctgaagc ttcgtacgc 59

<210> 169
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YLR215c-S2

<400> 169
agctctcgga ttgcttcagg atttaaacta gcttctacga gcataggcca ctagtggatc 60

tg

62

<210> 170
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YML023c-S1

<400> 170
cacgcaatgg tgcacattat tttgttgaac tcactgagaa cagctgaagc ttcgtacgc 59

<210> 171
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YLR243w-S2

<400> 171
gataatatgg tttctatact gtcaggatta ttagattcca gcataggcca ctagtggatc 60
tg 62

<210> 172
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: PRIMER
YLR272c-S2

<400> 172
ggtaactgac ttctgttactt tatgagatgt ccggcttttag gcataggcca ctagtggatc 60
tg 62

<210> 173
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YML023c-S2

<400> 173
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tg 62

<210> 174
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YLR222c-S2

<400> 174
aatatgtaac tttgttcaac taagttatca acccttgtga gcataggcca ctagtggatc 60
tg 62

<210> 175
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YML049c-S1

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<210> 176
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YLR317w-S2

<400> 176
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tg 62

<210> 177
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR472w-S2

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tg 62

<210> 178
<211> 62
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer
YDR489w-S2

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agtcgggctc atctatcatg tttacgctac cttctgtatc gcataggcca ctagtggatc 60
tg 62

<210> 179
<211> 59
<212> DNA
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<223> Description of Artificial Sequence: primer
YDR527w-S1

<400> 179
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<210> 180
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
YPR137w-S2

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aaaagcctgt ttggtcaatg acagctgaat atataccatt gcataggcca cttagtggatc 60
tg 62